

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/573,885A
Source: IEP/0
Date Processed by STIC: 7/20/07

ENTERED



IFWO

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/573,885A

DATE: 04/20/2007
 TIME: 16:01:24

Input Set : E:\seqSU0411PCT.txt
 Output Set: N:\CRF4\04202007\J573885A.raw

3 <110> APPLICANT: SUNTORY LIMITED
 5 <120> TITLE OF INVENTION: A gene encoding an enzyme catalyzing biosynthesis of lignan,
 6 and the use thereof
 8 <130> FILE REFERENCE: SU0411/PCT
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/573,885A
 C--> 10 <141> CURRENT FILING DATE: 2006-03-29
 10 <150> PRIOR APPLICATION NUMBER: JP 2003-341313
 11 <151> PRIOR FILING DATE: 2003-09-30
 13 <150> PRIOR APPLICATION NUMBER: JP 2003-432383
 14 <151> PRIOR FILING DATE: 2003-12-26
 16 <160> NUMBER OF SEQ ID NOS: 79
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 506
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Sesamum indicum
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: SiP189
 28 <400> SEQUENCE: 1
 29 Met Glu Ala Glu Met Leu Tyr Ser Ala Leu Ala Leu Thr Phe Ala Ile
 30 1 5 10 15
 32 Phe Met Val Tyr Arg Ile Leu Ser Asn Ser Gln Asp Lys Arg Ser Leu
 33 20 25 30
 35 Thr Lys Leu Pro Pro Ser Pro Pro Gly Trp Leu Pro Val Ile Gly His
 36 35 40 45
 38 Ala His Leu Met Lys Asn Leu Leu His Arg Thr Leu Tyr Asp Phe Ser
 39 50 55 60
 41 Gln Lys Leu Gly Pro Ile Phe Ser Ile Arg Phe Gly Ser Arg Leu Val
 42 65 70 75 80
 44 Val Val Val Ser Ser Ser Leu Val Glu Glu Cys Phe Thr Lys Tyr
 45 85 90 95
 47 Asp Ile Val Leu Ala Asn Arg Pro Gln Ala Ser Val Asp Arg Arg Ser
 48 100 105 110
 50 Leu Gly Phe Ser Thr Thr Ser Val Ile Gly Ala Pro Tyr Gly Asp His
 51 115 120 125
 53 Trp Arg Asn Leu Arg Lys Leu Cys Asp Leu Glu Val Phe Ala Pro Thr
 54 130 135 140
 56 Arg Leu Ala Ser Phe Leu Ser Ile Arg Leu Asp Glu Arg Asp Arg Met
 57 145 150 155 160
 59 Ile Ser Ala Leu Tyr Lys Ile Ser Ser Ala Gly Phe Ala Lys Val Asn
 60 165 170 175
 62 Leu Glu Ala Lys Ile Val Glu Leu Thr Phe Asn Asn Ile Met Arg Met
 63 180 185 190

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65 Val Ala Ala Lys Arg Tyr Tyr Gly Glu Glu Ala Glu Asp Asp Glu Glu
66 195 200 205
68 Ala Lys Arg Phe Arg Asp Leu Thr Lys Glu Ala Leu Glu Leu Thr Ser
69 210 215 220
71 Ala Ser Asn Pro Gly Glu Ile Phe Pro Ile Leu Arg Trp Leu Gly Cys
72 225 230 235 240
74 Asn Gly Leu Glu Lys Lys Leu Ala Val His Ser Arg Lys Thr Asp Glu
75 245 250 255
77 Phe Met Gln Gly Leu Leu Asp Glu His Arg Arg Gly Glu Arg Gln Asn
78 260 265 270
80 Thr Met Val Asp His Leu Leu Ser Leu Gln Glu Ser Gln Pro Glu Tyr
81 275 280 285
83 Tyr Thr Asp Glu Ile Ile Thr Gly Leu Ile Val Ala Leu Ile Ile Ala
84 290 295 300
86 Gly Thr Asp Ala Ser Val Val Thr Thr Glu Trp Ala Met Ser Leu Leu
87 305 310 315 320
89 Leu Asn His Pro Lys Val Leu Glu Lys Ala Arg Lys Glu Leu Asp Thr
90 325 330 335
92 Leu Val Gly His Glu Arg Met Val Asp Glu His Asp Leu Pro Lys Leu
93 340 345 350
95 Arg Tyr Leu His Cys Ile Val Leu Glu Thr Leu Arg Leu Phe Pro Ser
96 355 360 365
98 Val Pro Thr Leu Val Pro His Glu Pro Ser Glu Asp Cys Lys Ile Gly
99 370 375 380
101 Gly Tyr Asn Val Pro Lys Gly Thr Met Val Leu Val Asn Ala Trp Ala
102 385 390 395 400
104 Ile His Arg Asp Pro Lys Val Trp Asp Asp Pro Leu Ser Phe Lys Pro
105 405 410 415
107 Asp Arg Phe Glu Ile Met Glu Val Glu Thr His Lys Leu Leu Pro Phe
108 420 425 430
110 Gly Met Gly Arg Arg Ala Cys Pro Gly Ala Gly Leu Ala Gln Lys Phe
111 435 440 445
113 Val Gly Leu Ala Leu Gly Ser Leu Ile Gln Cys Phe Asp Trp Glu Arg
114 450 455 460
116 Thr Ser Pro Glu Lys Ile Asp Leu Asn Glu Gly Ser Gly Ile Thr Leu
117 465 470 475 480
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120 485 490 495
122 Glu Lys Val Leu Arg Gln Val Ser Asn Val
123 500 505
126 <210> SEQ ID NO: 2
127 <211> LENGTH: 1518
128 <212> TYPE: DNA
129 <213> ORGANISM: Sesamum indicum
131 <220> FEATURE:
132 <223> OTHER INFORMATION: SiP189
134 <400> SEQUENCE: 2
135 atggaagctg aatgtata ttcagcttc gcttcaccc tcggcatatt catggttac 60
136 agaattcttt ctaattcgca ggacaagcgc agcctgacta agctgcctcc gagccccc 120

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137 ggttggctgc cggatcgccacgtcat ctcatgaaaa atctcctcca tagaacacta 180
138 tacgacttct cccagaaact gggacccata ttttccatcc gggtcgggtc gcgcctcg 240
139 gtgggtgtgt ctccttcctc cctgggtggag gaatgttca ccaagtatga cattgtctt 300
140 gcaaatcgcc ctcaggcttc tggtgaccgg cgctcacttgggtcagcac caccagcgta 360
141 atcggggccc cgtacgggaa ccattggcgc aacctgcgaa agttgtgcga tcttgaagta 420
142 ttgcggccga cccgtctcgc ctcgtttta tccatcaggc ttgacgagag ggaccgcattg 480
143 atttccgcgt tataaaaaat ctcgtccggc gggttgcgaa aggtgaattt ggaagcgaag 540
144 attgtggagc tgacgtttaa taacataatg aggtatgggg cggcgaagag atactatggg 600
145 gaggaggcgg aggacgacga ggaggcgaag aggttcaggc acctgacgaa ggaggcttg 660
146 gagttgcgca ggcgttccaa tcctggtag atatttccaa tattgcggtagtgc 720
147 aatgggctgg agaagaagct ggctgttac tcgcggaa cggatgagtt catgcaaggg 780
148 ctgcggacg aacaccgacg gggcgagcgc cagaacacca tggatgtca tttgcggct 840
149 ttgcaggaat ctcaacactga gtactacact gatgaaatca tcactggcct catagttgca 900
150 ttgataattt cgggaacggc tgcatcggtt gtaactacag aatgggcgtat gtcccttt 960
151 ctaaatcatc ccaaagtact tggaaaggct agaaaagaac tggacactt agtaggacac 1020
152 gaacgcattt ttgatgaaca cgatctcccc aaactacgtt accttcaactg catagtctt 1080
153 gagaccttaa ggttattccc ttctgttcca actttggtagtgc cacacgaacc atcagaggat 1140
154 tgtaaaattt ggggatacaa tggatggatgg tattatgttgc 1200
155 atacaccgag accccaagggt gtgggacgac cccttggat ttaagccgcgaa cagggtttag 1260
156 ataatggaaat tggagacaca caagttgttgc cggttgcggaa tggcaggag agcgtgtcct 1320
157 ggagctggac tggcgccagaa gtttggatggg ttggctttgg ggtcgctgat tcagtgtt 1380
158 gactgggaga gaacgagtcc cgagaaaatt gacttgcgaa aaggttctgg gataaccctt 1440
159 cctaaagctt agacgttgc agccatgtgc aaacctagac atgtcatggaa aaaaaggctt 1500
160 cgtcagggtt ccaacgtt 1518
163 <210> SEQ ID NO: 3
164 <211> LENGTH: 21
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
170 Synthesized Primer Sequence, Si18SrRNA-FW
172 <400> SEQUENCE: 3
173 tatgcttgc tcaaagatta a 21
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 21
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
183 Synthesized Primer Sequence, Si18SrRNA-RV
185 <400> SEQUENCE: 4
186 aacatctaag ggcatcacag a 21
189 <210> SEQ ID NO: 5
190 <211> LENGTH: 24
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
196 Synthesized Primer Sequence, CYP90A-FW
  
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198 <400> SEQUENCE: 5
199 tttccgatg aagagattgt tgac 24
202 <210> SEQ ID NO: 6
203 <211> LENGTH: 18
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
209   Synthesized Primer Sequence, CYP90A-RV
211 <400> SEQUENCE: 6
212 tgccatctcc aagggttg 18
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 24
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
222   Synthesized Primer Sequence, CYP72B-FW
224 <400> SEQUENCE: 7
225 cttaatgttc aaatgataat ggat 24
228 <210> SEQ ID NO: 8
229 <211> LENGTH: 18
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
235   Synthesized Primer Sequence, CYP72B-RV
237 <400> SEQUENCE: 8
238 gtaaatcggtt cagggttg 18
241 <210> SEQ ID NO: 9
242 <211> LENGTH: 24
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
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247 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
248   Synthesized Primer Sequence, CYP71B-FW
250 <400> SEQUENCE: 9
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254 <210> SEQ ID NO: 10
255 <211> LENGTH: 18
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
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260 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially
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263 <400> SEQUENCE: 10
264 agaaacctgt cagggtta 18
267 <210> SEQ ID NO: 11
268 <211> LENGTH: 24
  
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/20/2007
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:77; N Pos. 2199

VERIFICATION SUMMARY

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DATE: 04/20/2007

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Input Set : E:\seqSU0411PCT.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:2160